

Converting Colors

XYZ(37.2652, 48.9577, 64.6124)

Have a look what the booklet for
XYZ(37.2652, 48.9577, 64.6124)
contains.

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Color

**XYZ(37.2652, 48.9577,
64.6124)**

Conversions

Conversions Part 1

Format	Color
Hex	66C9CC
RGB	102, 201, 204
RGB Percent	40%, 79%, 80%
CMY	0.6000, 0.2118, 0.2000
CMYK	0.50, 0.01, 0.00, 0.20
HSL	182°, 50%, 60%
HSV	182°, 50%, 80%
XYZ	37.2652, 48.9577, 64.6124
YIQ	171.7410, -59.9670, -20.0550

Conversions

Conversions Part 2

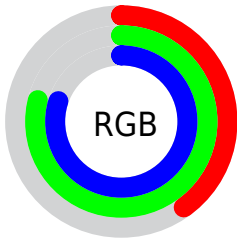
Format	Color
RYB	102, 152, 204
Decimal	6736332
CIELab	75.43, -28.12, -10.44
CIELCh	75, 29.995, 200.363
Yxy	48.9577, 0.2471, 0.3246
Android (android.graphics.Color)	4284926412 (0xFF66C9CC)
YUV	171.7410, 15.9037, -61.1629
Hunter-Lab	69.9698, -27.3798, -5.7715

Details

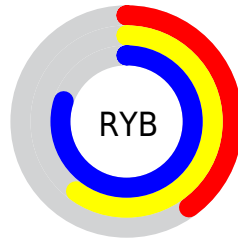
The XYZ color **37.2652, 48.9577, 64.6124** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.3525, 23.9006, 15.4797**, and the grayscale version is **39.0270, 41.0595, 44.7137**.

A 20% lighter version of the original color is **68.3072, 86.2136, 107.6485**, and **16.7017, 23.4628, 32.5027** is the 20% darker color. If you saturate the color by 10%, you get **35.0925, 47.6317, 64.4718**, and if you desaturate by 10%, it is **40.0102, 50.5818, 64.7821**.

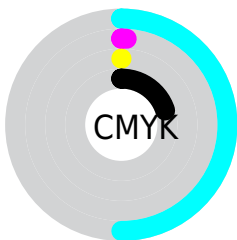
Distribution



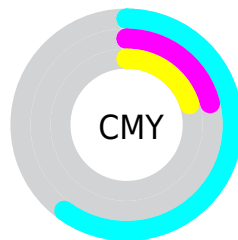
- Red (40%)
- Green (79%)
- Blue (80%)



- Red (40%)
- Yellow (60%)
- Blue (80%)



- Cyan (50%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2652, 48.9577, 64.6124 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 37.2652, 48.9577, 64.6124 by changing the saturation by 10% instead.

■ 37.2652, 48.9577,
64.6124

■ 37.2652, 48.9577,
64.6124

325.7929,
382.5758, 459.6658

■ 25.5875, 34.5859,
46.6975

■ 70.2917, 88.6286,
113.1004

■ 16.6464, 23.3441,
32.4440

■ 92.3711, 114.6966,
144.5105

■ 10.0764, 14.8478,
21.4332

■ 118.6486,
145.4320, 181.2562

■ 5.5123, 8.7126,
13.2467

■ 149.4894,
181.2194, 223.7558

■ 2.5887, 4.5542,
7.4659

185.2588,
222.4430, 272.4281

■ 0.9402, 1.9882,
3.6723

226.3223,

■ 0.0000, 0.6006,

269.4874, 327.6915

1.4474

273.0452,
322.7368, 389.9646

■ 0.0000, 0.0000,
0.1782

■ 0.0000, 0.0000,
0.0000

■ 37.2652, 48.9577,
64.6124

■ 37.2652, 48.9577,
64.6124

■ 35.0925, 47.6317,
64.4718

■ 40.0102, 50.5818,
64.7821

■ 33.4452, 46.5762,
64.3549


■ 43.3613, 52.5181,
64.9792


■ 32.2764, 45.7681,
64.2606


■ 47.3548, 54.7864,
65.2065


■ 31.5286, 45.1779,
64.1860


■ 52.0229, 57.4032,
65.4656


 31.0946, 44.7503,
64.1264


 57.3957, 60.3842,
65.7578

 31.0945, 44.7502,
64.1264

 63.5015, 63.7439,
66.0845

 70.3670, 67.4959,
66.4468

 74.1625, 69.6662,
66.6657

 74.3069, 69.9551,
66.7139

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.8236, 48.9577, 48.3730



37.2652, 48.9577, 64.6124



40.0784, 48.9577, 80.3437

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.2652, 48.9577, 64.6124



55.2047, 48.9577, 75.1708



48.3343, 48.9577, 28.5815

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.2652, 48.9577, 64.6124



32.3525, 23.9006, 15.4797

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.6455, 48.9577, 33.1380



37.2652, 48.9577, 64.6124



57.8143, 48.9577, 58.5647

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.2652, 48.9577, 64.6124



50.3290, 48.9577, 87.2279



57.2221, 48.9577, 43.4032



42.9325, 48.9577, 29.5643

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.2652, 48.9577, 64.6124



43.0526, 48.9577, 87.4114



57.2221, 48.9577, 43.4032



50.1957, 48.9577, 29.4753

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.2667, 48.9596, 64.6136



81.9934, 92.7382, 108.1865



29.5569, 47.0049, 20.5332



17.2033, 19.6551, 23.1371



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.2667, 48.9596, 64.6136



57.8716, 78.7290, 106.7538



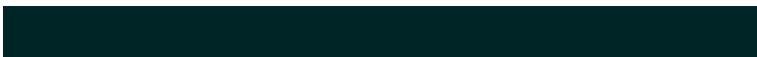
27.4947, 29.4156, 61.3562



11.5139, 12.6683, 14.4087



19.5836, 28.1912, 40.3655



1.0194, 1.4725, 2.0854

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.1970, 26.5584, 58.2681



63.3257, 37.6965, 94.7950



38.9727, 37.1409, 17.6864



11.6728, 11.3978, 14.0773



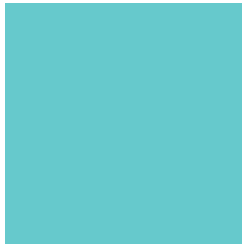
22.0958, 10.6489, 34.5528



1.1445, 0.5512, 1.8067

Previews

White Background



This preview shows how the XYZ color 37.2652, 48.9577, 64.6124 looks on a white background.

Color Contrast Check

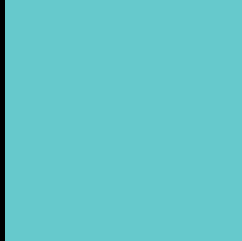
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.2652, 48.9577, 64.6124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

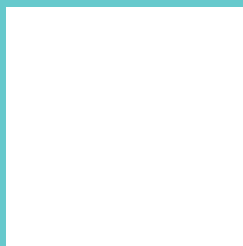
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2652, 48.9577, 64.6124

Background



This preview shows how black text looks on a background with the XYZ color 37.2652, 48.9577, 64.6124.



This preview shows how white text looks on a background with the XYZ color 37.2652, 48.9577,

64.6124.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.2652, 48.9577, 64.6124

Protanopia

46.7737, 48.4455, 57.3378

Deuteranopia

49.3157, 48.3223, 67.0495



Tritanopia

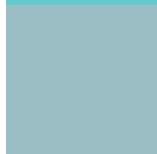
38.6330, 48.8173, 71.6765

Trichromacy



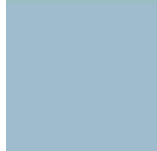
Original Color

37.2652, 48.9577, 64.6124



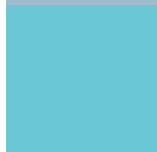
Protanomaly

42.0091, 47.8267, 59.8407



Deuteranomaly

43.5438, 47.8424, 65.9710



Tritanomaly

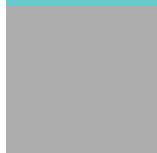
38.2378, 49.0150, 69.0735

Monochromacy



Original Color

37.2652, 48.9577, 64.6124



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.6178, 43.5307, 51.7670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2652, 48.9577, 64.6124 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(102, 201, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 201, 204)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(102, 201, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 201, 204) }
```

Border

The CSS property to change the border of an element to XYZ 37.2652, 48.9577, 64.6124 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 201, 204) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(102, 201, 204) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(102, 201, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 201, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 201, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 201,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2652, 48.9577, 64.6124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 201, 204) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(102,  
201, 204) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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